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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/748,994	12/27/2000	Douglas B. Quine	F-240	6431

919 7590 12/12/2006

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EXAMINER

GIBBS, HEATHER D

ART UNIT

PAPER NUMBER

2625

DATE MAILED: 12/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/748,994	QUINE, DOUGLAS B.	
	Examiner	Art Unit	
	Heather D. Gibbs	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5,7 and 10-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,5 and 7-22 is/are allowed.
- 6) ☒ Claim(s) 23 is/are rejected.
- 7) ☒ Claim(s) 24-25 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. The amendment filed on 10/02/2006 has been entered and made of record.

Claims 1, 5,7,10-25 are pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Adler *et al* (US 6,256,115) in view of Fischer (US 5,214,702).

Adler discloses a method of authenticating a facsimile document communicated between a first facsimile communication device and a second facsimile communication device via a communication network (abstract; Fig 1 node 10, Col 4 lines 57-Col 6 Line 42), comprising the steps of:

Receiving at the second facsimile communications device transmitted data including a digital representation of the entire facsimile document and convolved encrypted authentication data associated with the facsimile document and convolved encrypted authentication data associated with the facsimile document and consisting of a single encrypted checksum of the entire facsimile document in first format sent by said first communication device (Col 6 Line 17-Col 7 Line 15);

Processing said transmitted data, as said second communication device, to extract a digital representation of the entire facsimile document and convolved encrypted authentication data; (abstract; Col 5 Line 66-Col 6 Lines 16; Col 18 Lines 14-59) and (Col 18 Line 42-col 19 line 24).

Adler does not disclose expressly decrypting, at said second communication device, said encrypted authentication data; computing at said second communication device, a comparison version of the authentication data using the a digital representation of the entire facsimile document and convolved encrypted authentication data; and alerting a recipient at said second communication device in the event of a mismatch between said authentication data and said comparison version of the authentication data.

Fischer discloses

decrypting, at said second communication device, said encrypted authentication data (Col 10 Lines 25-65; Col 16 Lines 3-27);

computing at said second communication device, a comparison version of the authentication data using the a digital representation of the entire facsimile document and convolved encrypted authentication data (Col 16 Lines 13-43); and

alerting a recipient at said second communication device in the event of a mismatch between said authentication data and said comparison version of the authentication data. (Col 16 Lines 28-51).

Adler & Fischer are combinable because they are from the same field of endeavor, being systems that transmit encrypted data to a destination, where it is decrypted.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the teachings of Fischer with the system of Adler.

The suggestion/motivation for doing so would have been that Adler's system would have better security with the inclusion of Fischer's teachings, as the destination device can decipher the transmitted message and verify the integrity of the message, thus reducing the chance of corruption, as recognized by Fischer in Col 7 Lines 26-55.

Therefore, it would have been obvious to combine the teachings of Fischer with system of Adler to obtain the invention as specified in claim 23.

Allowable Subject Matter

4. Claims 1,5,7,10-22 are allowed.
5. Claims 24-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
6. The following is an examiner's statement of reasons for the indication of allowable subject matter: Claims 1, 5,7,10-22 are allowable over the prior art made of record because the Examiner found no prior art cited in its entirety, nor found any reason to combine said prior art, which teaches A method of authenticating a facsimile document communicated between a first facsimile communication device and a second facsimile communication device via a communications network, comprising the steps of:

a. receiving input data representing the entire facsimile document and generating facsimile information in a first format by said first communication device from said input data; b. processing said Input data, at said first communication device, to compute an encrypted checksum of the entire input data; c. convolving said facsimile information with said encrypted checksum data to produce convolved data; d. decrypting, at said second communication device, said encrypted checksum; e. computing a checksum of said input data received at said second communications device; and f. alerting a recipient at said second communication device in the event of a mismatch between said checksum data computed in step (e) and said decrypted checksum data in step (d) by clearly marking the received input data indication a tamper condition .

7. Claims 24-25 are objected allowable over the prior art of record because the Examiner found neither prior art cited in its entirety, nor based on the prior art, found any motivation to combine any of the said prior art which teaches the step of alerting the recipient at said second facsimile communication device in the event of a mismatch includes printing a clear mark across a print out of the received input data indication a tamper condition, or displaying a clear mark across a computer display of the received input data including a tamper condition.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

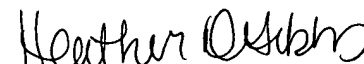
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heather D. Gibbs whose telephone number is 571-272-7404. The examiner can normally be reached on M-Thu 8AM-7PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on 571-272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Heather D Gibbs
Examiner
Art Unit 2625

hdg



THOMAS A LEE